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# Field Service Procedure

## Assembly and Installation of Auxiliary Fresh Gas Outlet on Fabius GS® Australia/New Zealand

## Anesthesia

**Revision -**
**11/18/03**
**SP00298**

# CYLINDER MOUNTING KIT FOR TROLLEY

**Warning:**
**Any person involved with the setup, operation, or maintenance of the Fabius GS anesthesia machine must be thoroughly familiar with the instruction manual for this product.**

## 1 Assembly Instructions

In order to accommodate either left side mounted or right side mounted breathing systems on the Fabius GS, the Auxiliary Fresh Gas Outlet need to be assembled to match mounting location. The provided material and design allows for either configuration.

## 1.1 List of Parts and Mounting Hardware

| ITEM | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 4118611 | Manifold, Pop Off Valve, Fresh Gas |
| 2 | 1 | 4118345 | Bracket, Support, Auxiliary Fresh Gas |
| 3 | 1 | 4117405 | Plate, Slide, GCX, Black |
| 4 | 2 | HW09048 | Screw, Btn Hd, Skt, 1/4 X 20 X .75 in. L, SS |
| 5 | 2 | HW51001 | Nut, Acorn, 1/4 - 20, SS |
| 6 | 2 | HW65010 | Washer, Lock, 1/4 in., SS |
| 7 | 2 | HW09106 | Screw, Btn Hd, Skt, M4 X 10mm L, SS |
| 8 | 2 | HW65011 | Washer, Lock, #8, SS |
| 9 | 1 | 2600170 | Pipe, Fresh Gas |

## 1.2 Assembly Instructions

For pictorial guidance in the assembly, refer to Fig. 1.

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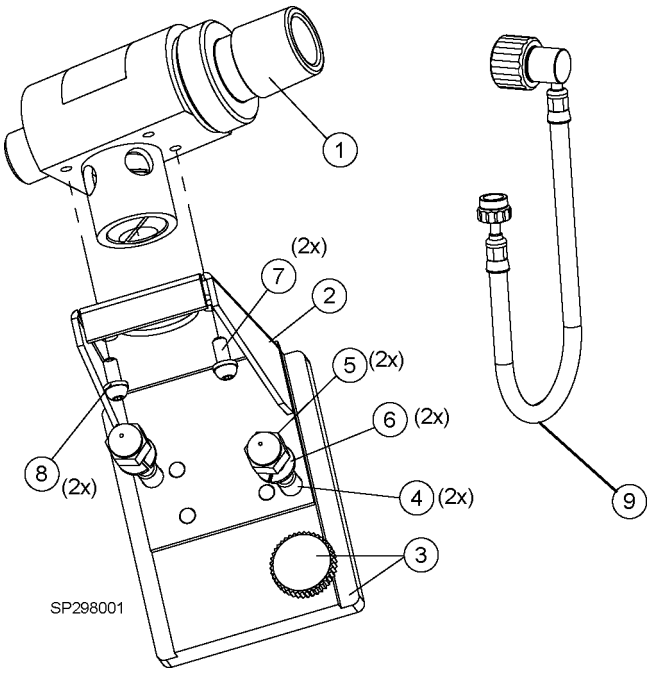


**Fig. 1** Auxiliary Fresh Gas Outlet Assembly

1. Using two button head screws (4), two lock washers (6), and two acorn nuts (5), mount the Auxiliary Fresh Gas Bracket (2) to the GCX Slide Plate (3) as shown in Fig. 1.
2. Using two button head screws (7) and two lock washers (8), attach the Pop Off Valve Manifold (1) to the Auxiliary Fresh Gas Bracket (2).
3. Refer to Fig. 2 for left side assembly configuration. Refer to Fig. 3 for right side assembly configuration.

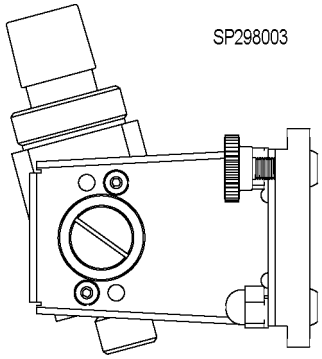


**Fig. 2** Left Side Assembly Configuration

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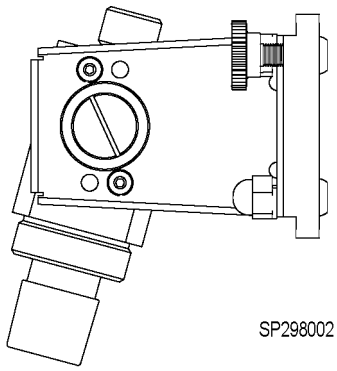


**Fig. 3** Right Side Assembly Configuration

4. Verify the Machine is in Standby mode and all flow control valves are closed. Remove gas supplies and depressurize system.
5. Slide the Auxiliary Fresh Gas Outlet Assembly up into the appropriate front GCX rail in the machine, and tighten the thumbscrew (part of item 3). (The shear tabs on either side of the slide plate may need to be filed down to allow the plate to slide freely on the rail.)
6. Join the machine's Fresh Gas Hose to the rear connector on the Auxiliary Fresh Gas Outlet Assembly. Attach the Fresh Gas Pipe to the Auxiliary Fresh Gas Outlet. Left side installation is shown in Fig. 4; right side installation is shown in Fig. 5.

## 1.3 Performance Test

1. Perform Fresh Gas Leak Test utilizing Fresh Gas Leak Test Device (P/N 4113119) modified via gas test connector (P/N 4117361).
2. Connect a digital pressure manometer to the Fresh Gas Leak Test Device and connect the test connector to the open end of the Fresh Gas Pipe.
3. Apply 50 cmH2O pressure to the system.
4. After thirty (30) seconds, the pressure on the manometer should be > 40 cmH2O.
5. Disconnect the test fixture from the Fresh Gas Pipe.
6. Pressurize the oxygen system.
7. Set oxygen delivery for 10 L/min flow.
8. Occlude the Auxiliary Fresh Gas Outlet momentarily and verify that the safety relief valve opens as detected by an audible sound (rattle).
9. Close oxygen flow control and set the unit to standby.

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## 1.4 Installation Instructions

**NOTE:**

If you are using an A-Cone switch, install it on the Auxiliary Fresh Gas Outlet and connect the Fresh Gas Hose to one of the A-Cone ports. Set the selector lever for the appropriate port.

1. Connect the open end of the Fresh Gas Hose to the COSY breathing system.
2. Pressurize the oxygen system, activate the O2 Flush and verify the fresh gas flow.

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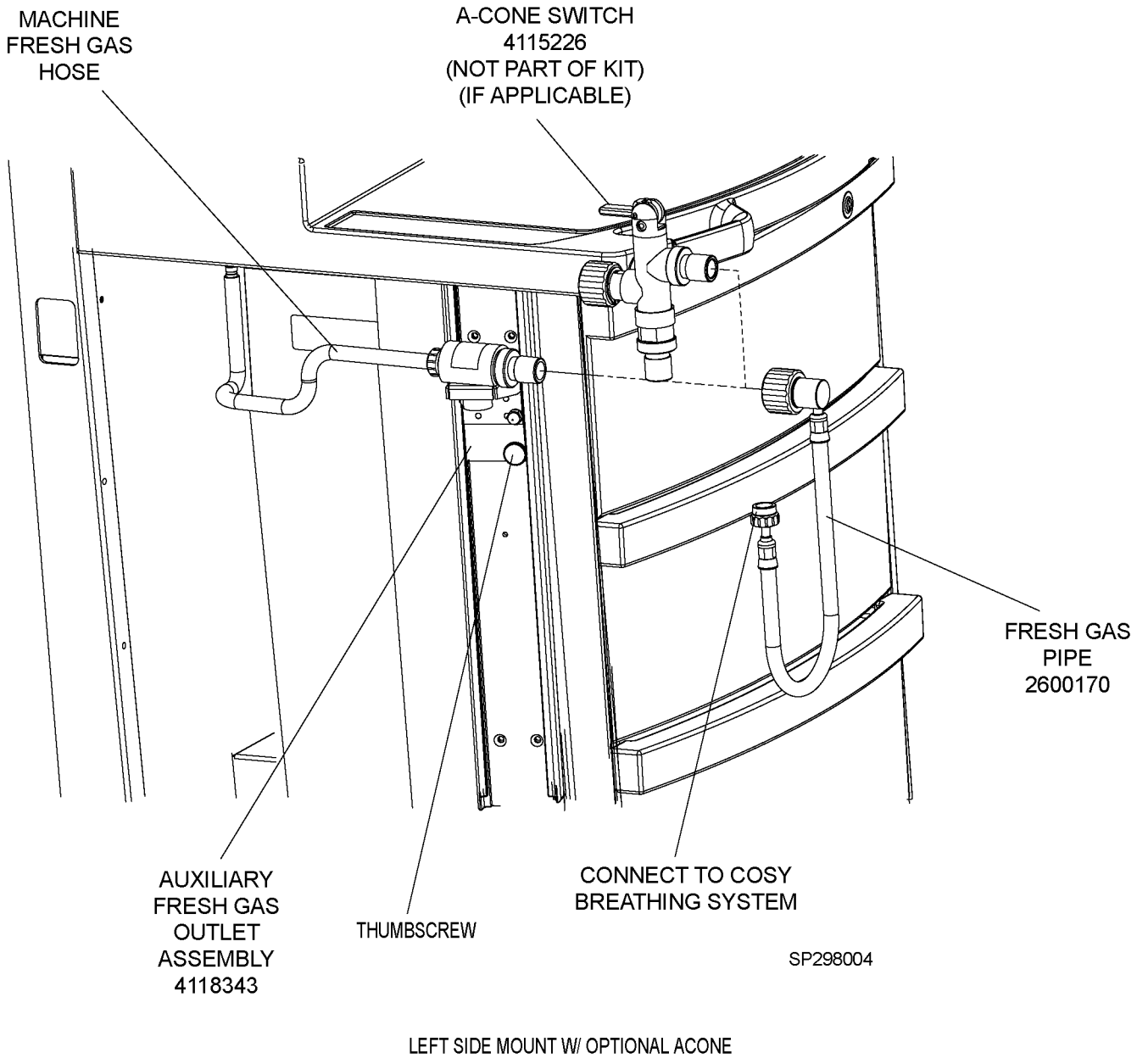


**Fig. 4** Auxiliary Fresh Gas Outlet Left Side Mount

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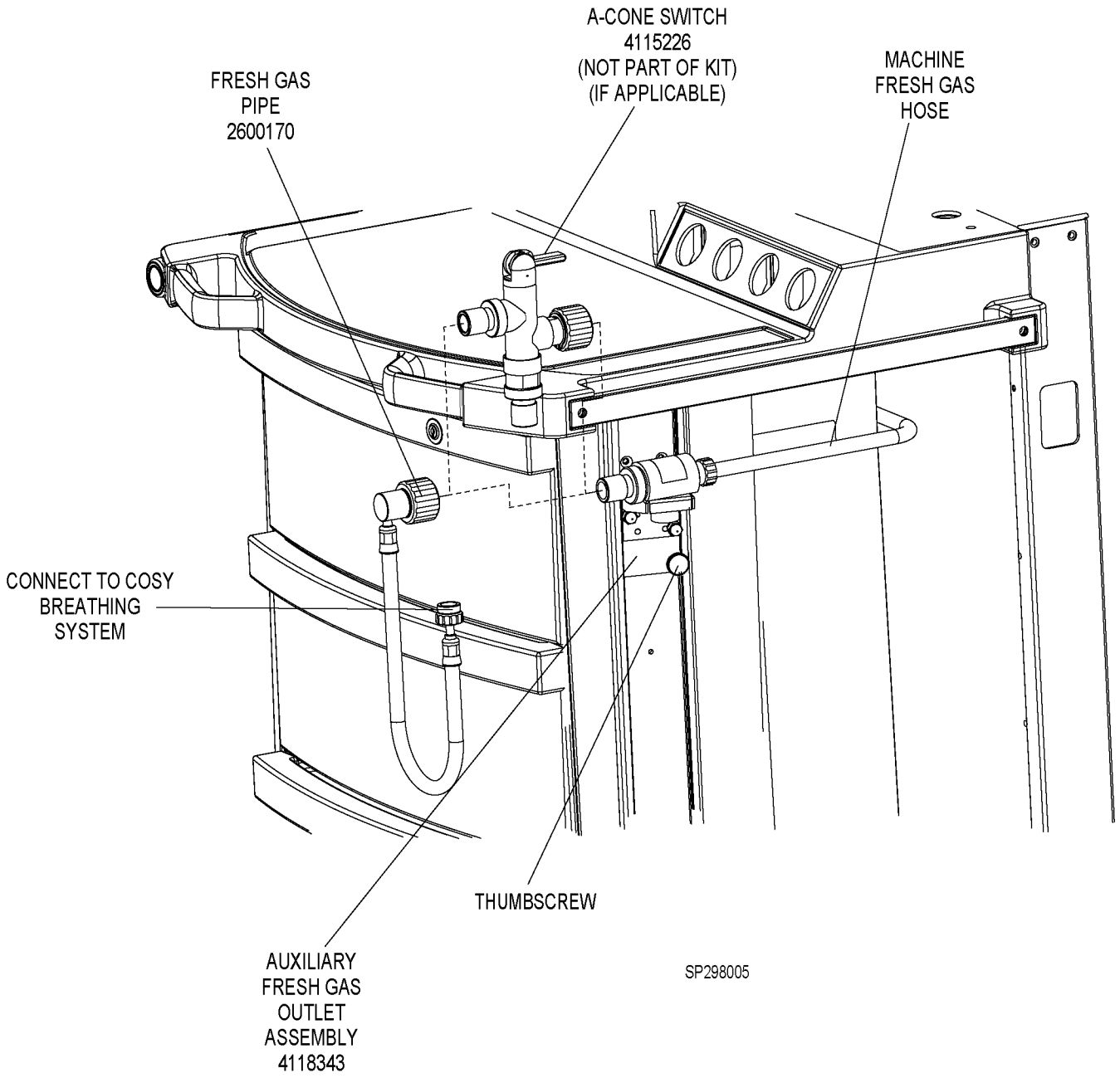


**Fig. 5** Auxiliary Fresh Gas Outlet Right Side Mount

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